# Programming Language Manifesto
## [Some Computing Method Problems]
## (Version -1)

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**Abstract**

Programming Language - [Computing Methods]. Algebra of Linguistics and Naming Systems. We found out some issues, about all those subjects.

# 1 Introduction

We are randomly visiting Nextleap Website, when we found the SQL Interview Questions:

- Please provide an SQL query to generate a report of duplicate emails. It can be assumed that the email field will always have a value, and the resulting table can be in any order.

**Example 1:**

**Input:**
**Table Name:**Person

| id | email |
|---|---|
| 1 | a@b.com |
| 2 | c@d.com |
| 3 | a@b.com |

Figure 1: This is SQL Question Table in Next Leap.

- the Expected output is :

**Output:**

| email |
|---|
| a@b.com |

**Explanation:**

a&b.com is the duplicate email

Figure 2: This is Expected Solution in Next Leap.

- We have computed the Solution :

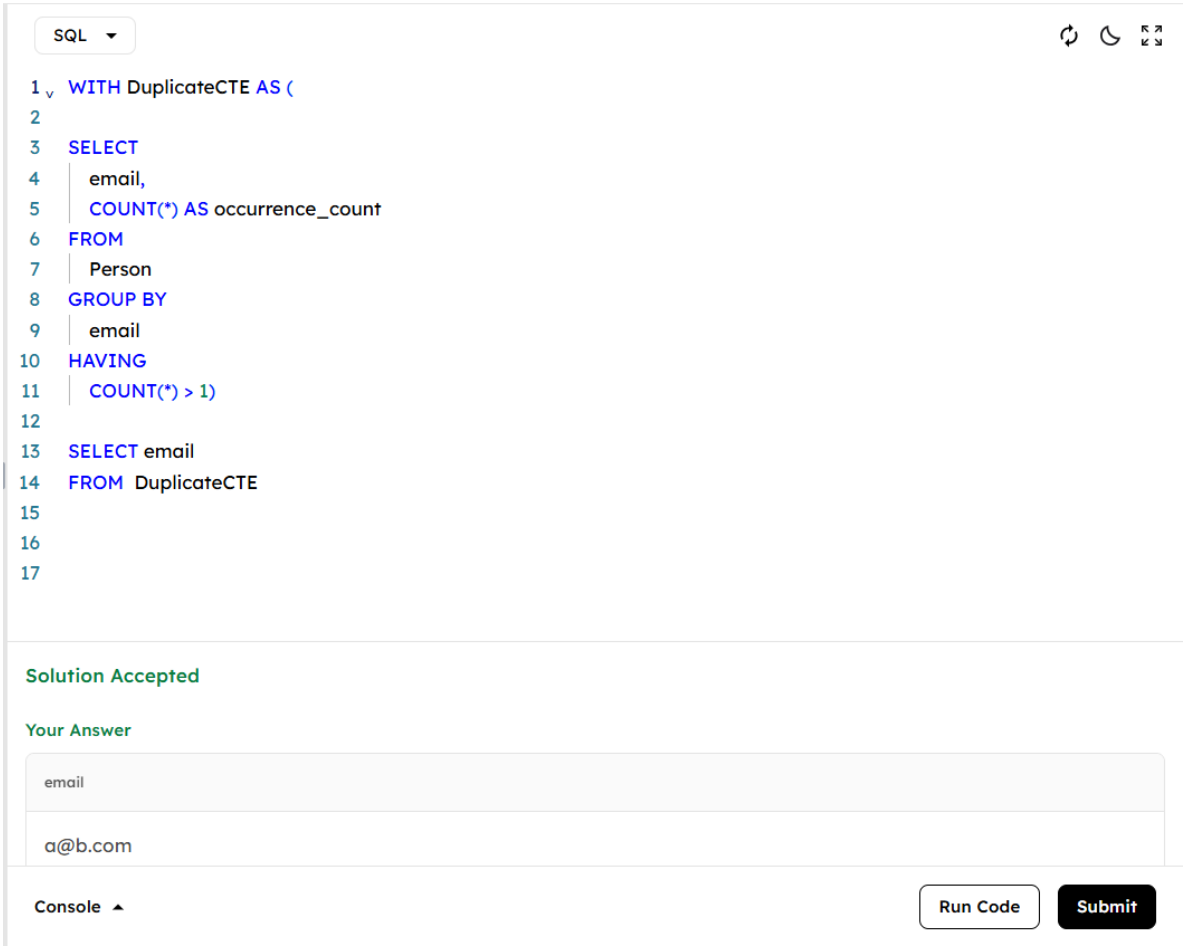


Figure 3: This is the Solution in Next Leap.

- This the code:

```
    WITH DuplicateCTE AS (

SELECT
    email,
    COUNT(*) AS occurrence_count
FROM
    Person
GROUP BY
    email
HAVING
    COUNT(*) > 1)

SELECT email
FROM  DuplicateCTE
```

# 2 Application to file Naming System Problems

The above section is intuitive training to discover duplicate naming problems in our daily tasks.

You are working on a given Project. You need to describe a proposal. We suppose, your Proposal is about 10000 words and the topic is ***"crop farming"***. Which [filename] will you choose to save your proposal in your computer desktop ?

The following are some propositions (only by guessing methods):

1. trees-trees.docx : in this example, The Word [trees] is duplicated or repeated.
2. aquameter-plant-trees.docx
3. seed-crop-farming-1991-07-02-document.docx
4. etc.

We won't remind you the Unicode Standard, here, here, and how much your file naming method is important for the computer memory.

## 2.1 The Evolution of Dictionary: THe problem of Language Density

Whle searching the right *file naming method*, we found that [Internet] has created other dictionaries by itself: as for example, just as in the scrabble game, here, the word picture0 exists. Read here.

Going futhers about those remarks, you can guess the secret ingredient of languages [here] [here too] [There are more than 7000 languages in the world]:

> A widely cited 2019 study published in Science Advances found that disparate human languages transfer information at a remarkably consistent average rate of roughly 39.15 bits per second

It suggests that :

1. The use of Disparate human languages increase your knowledge-graph, when your document is published on internet.
2. Example: for your filename, you can mesh [3] languages: [German, English, Espagnol]:

$$\underbrace{\text{Mein-Name-is-Karl}}_{\text{German}}_\underbrace{\text{this-proposal-is-picture0}}_{English}_\underbrace{Me-encanta-este-trabajo}_{Espagnol}.docx$$

## 2.2 The Havard Convention Rule

It follows that there is an algebra to optimize your file naming method: [here, from Havard University] [here too].

The "algebra" of a file naming system treats a filename as a structured equation: an ordered sequence of discrete metadata components ($C_i$) joined by specific delimiters ($D$). By arranging tokens from most to least significant, you create a predictable, machine- and human-readable string.

### 2.2.1 Algebraic Linguistic: Mathematics of Languages

The Havard Convention Rule is the door to the Algebraic Theory of Language, [[Mar66]], by Marcus Solomon; and Marcus Kraft, [[Kra03]], here.

Application: For a writing scenario, what is the most significant library associated with the world "medical"? Some propositions :

1. THe of Library Congress Dictionary,
2. Unified Medical Language System (UMLS)

Based on the Graph-Based Writing Theorem $Th_1$ [here], Do we have enough technology to request this library ? Currently, Yes or No?

### 2.2.2 Example of BioInformatics Researches

Read here:

Why you have to worry about text: In bioinformatics, you work with all sorts of data, from DNA & RNA sequence reads to protein sequences. These data are supplied to any number of bioinformatics software. Because the bioinformatics software serves different purposes, there can be different requirements for how the data are presented to the software.

### 2.2.3 Other HyperLinks Catalogues about Writing and File Naming Conventions

Some links : [Link-1, from Toronto Metropolitan], [Link-2, from Memorial University], [Link-3, from Queen's University, here too], [Link-4, from Purdue University], [Link-5, Red Deer Polytech], [Link-6, from the Network of National Library of Medicine], [Link-7, from University of Ottawa], [Link-8, from the Digital Perservation Coalitoin], [Link-9, from the National Archives], [Link-10, from the Geneva Graduate Institute], [Link-11, from Bryn Mawr College, help@brynmawr.edu], [Link-12, from William College, specialcollections@williams.edu], [Link-13, from Brandon University, ]. Some softwares : `https://dmeg.cessda.eu/`, `https://mrrsoftware.com/namechanger/`, `https://renamer.ai/`, `https://filently.com/blog/file-naming-software/`, `https://www.publicspace.net/windows/BetterFileRename/index.html`, `https://www.advancedrenamer.com/`, `https://stacksteam.com/blog/file-naming-101-how-to-create-and-apply-effective-file-names`.

## 2.3 Thank you for your attention!

We hope you find This introductory useful, and do take a look at our Preprint on the Universe as a Program for more tutorials and user guides! Please also let us know if you have any feedback using the Linkedin Link https://www.linkedin.com/in/nonvikan-karl-augustt-alahassa-42b4a957/.— more works is available here . Great Thanks! (We are also writing a book on Statistics: here or here, Another One of Geometry and Differential Equations, here, all are coming. Please Check other zenodo reports ). We will never forget Professor Gabriel Avossevou, Wilfrid Gangbo, Madame Toudonou, Professor of Geography and Land History – Ecole Normale Superieure of Porto-Novo, College Application, Professor Ahandagbe of Biology – Ecole Normale Superieure of Porto-Novo, College Application, Professor Atindogbe Cyriaque – IMSP, Professor Guy Degla, Professeur Jean Chabi Orou (Ecole Normale Superieure of Natitingou), Professeur Raphael Kelani (rkelani@gmail.com – Ecole Normale Superieure of Natitingou, read here), Recteur Akpona Simon of Parakou University , Professor Bouraima of Philosophy – from Ecole Normale Superieure of Porto-Novo, College Application, Professeur Chabi of Lycée Militaire des Jeunes filles de Natitingou, Rodolphe – kinesiologist (allied with our Parents Koovi & Patricia), etc. We keep some records of some classmates Facebook profiles on this link here (Jean-Marie Yalinkpon, Gaétan Kinifo, Kpéhoundé Igor, Olivier Tokpanou, Casimir Raymond Teffo, Ephraim Medegan Flaga, Casimir Takpiti, Bebada Rodrigue, Aurlus Sogbossi, Théophile Agbedjiko, Alain Togbenon, Thibault Houngue, Soliou Gbadamassi, Marius Midomide, Samuel Gbeya, William Ahossi, Akim Yorede, Firmin Zagbo, Henry Abadji, etc.). Boris Kougnimon – from Ecole Normale Superieure of Porto-Novo, College Application. The coming list are for some classmates from [ENSAE Dakar]: Souleymane Bognini, Celestin Semevo, Kayode Romaric, Zacharya Souli, Ulrich Faycal Sawadogo, Abdou Haki Maoude, Aliou Mballo Senzala, Jean-Claude Kabore, Joel Kazoule, Khadim Dia, Kokou Abah, Yaya Diallo, Ali Yedan, Hospice Dossou-Yovo, Nixon Koudakpo Kodjo, etc. We do remember some LDS Church relations as Well: Derlin Murray Pierre, Raymond Lallemant, etc. In Ecole Normale Superieure of Porto-Novo, College Application, we can remember Sinsin Corine Laurenda, here-15, here-16, Roseline Olory, Kiki-Sagbe Aina Mirange, Gbènahin Ninon Raïssa AMOUSSOU [read here], Rixte Lantonkpode, Iris NgonKen Caline, Christelle Amoussou [Her facebook Profile was Thaila Amoussou, here, or here], Akpata Abioro Dimitri (lorddisick63@gmail.com), Rhode Ahlonsou (rhode.ahlonsou@gmail.com), Djoffon Morel (djoffonmorel@yahoo.com) [here-17-3], read here also, Khamil Osseni, Yessoufou Nourou Dine, Camille Abattan, Hildever Ahlonsou, etc.

Other General Quotes and Citations are here: Lucien Sagbo [ENSAE Dakar], Alex Spiridigliozzi [Hec Montreal], Carlos Akakpovi [ENSAE Dakar], Kayodé Romaric Agnomi [ENSAE Dakar], Alexandre Judicael [Ecole Normale Superieure de Natitingou], Alexandre Amoussou-folly [Ecole Normale Superieure de Natitingou], Zinsou Max Debaly [ENSAE Dakar].

More photos are available here, and here, for: Aurlus Sogbossi [Ecole Normale Superieure de Natitingou], Davo Appolinaire [Ecole Normale Superieure de Natitingou], Narcisse Houssa-Gansi [Ecole Normale Superieure de Natitingou], Djabarou Issotina [ENSAE Dakar], Zacharia Souli [ENSAE Dakar], Cheick Diouf [ENSAE Dakar], Armand Coulibaly [ENSAE Dakar], Emmanuel Tago [ENSAE Dakar], Arnaud Lion [Hec Montreal], Lawson–Joel [Colocataire dans la Ville de Porto-Novo], Yves-Codjo [Colocataire dans la Ville de Porto-Novo], Komlan Alain Zogbe [Ecole Normale Superieure de Natitingou], Moudachirou Oumarou (he is here in Canada)[ENSAE Dakar], Akim Korede Oyere[Ecole Normale Superieure de Natitingou], Nourou Deen Abdou[Ecole Normale Superieure de Natitingou], Yaya Diallo (he is here in Canada)[ENSAE Dakar], Fadel Boukari [Ecole Normale Superieure de Natitingou], Fadel Zime [Ecole Normale Superieure de Natitingou], Pomanlegni Fiacre, Ferdinand Fatchehoun [Ecole Normale Superieure de Natitingou, he went to Ecole Normale Superieure de Porto-Novo too], Romeo Dah Lokonon [Ecole Normale Superieure de Porto-Novo], Gerardo Maroya [Ecole Normale Superieure de Porto-Novo], Alexandre Patoum Counde[Ecole Normale Superieure de Natitingou], Jack Ligane Sène[ENSAE Dakar], Khadim Dia[ENSAE Dakar], Lizette Escobar [LDS Church], Patrick Agbo[Ecole Normale Superieure de Natitingou], Elder Patrick Lauder[LDS Church], Edrice Gresseau [Restauration Jamacaine - Canada], Christelle Hounkonnou, Stam Sossou Ahinon[Ecole Normale Superieure de Natitingou], Omer Michihoun[Ecole Normale Superieure de Natitingou], Beaudelaire Gnavo[Ecole Normale Superieure de Natitingou], Jhonel Louis Jean[LDS Church], Jonathan David[LDS Church], Ridouanala Massaoudou [Polytechnique Montreal], Samson Kagmatche[Doctor, Professor & Safety Agent of Zum Residences Montreal], Johnny Shakamay[LDS Church], Anders Eklund[LDS Church], Solenn Benini [Zum Residences, University of Montreal], Rodin Eboue, Mamady Doumbouya [University of Montreal], Mahamadou Tankari[ENSAE DAKAR IFPRI], Arsel Loris Gbossa[Ecole Normale Superieure de Natitingou], Enock Mehinto[Ecole Normale Superieure de Natitingou], Emmanuel Dabre[University of Montreal], Felix Houssounou[Ecole Normale Superieure de Natitingou], Sayido Medard[Ecole Normale Superieure de

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Remembering our Primary (High) School, College Les JAMBETTES of Porto-Novo (in Benin, here-13-1, here-13-2, here-13-3), we can add more classmates names:

- Nazaire, Fadel, Michael Wadagni, Bonheur Sokenou, Esperant Abokou, Boko Ulrich, Mechak [we have met Only in Summer School], Chadrak [we have Only in Summer School], (Mechak & Chadrak are twins from the same mother), Iskine, Canine Olafa (a girl), Gbènahin Ninon Raïssa AMOUSSOU, Ludovik Afanou [a girl], (**Ludovik Afanou and Boko Ulrich came to Senegal, we have met and have visited each other**), Loick Tokpessi (he is currently in Canada, here), etc. Sometimes, {Ludovik Afanou} was also called kindly {Ludoruth Afanou}.
- The Mother of Boko Ulrich was once in the past the Director of College Les JAMBETTES of Porto-Novo. We will give more information about the different Directors we have met in those times by the past.
- Other Closed families can be quoted, here-17-1, or here-17-2: Koumagnon, Boko, Radji (we have met with Namaou Radji in Senegal, here), Corneille Onidogni, Hounto Ronel, Hounto Inès, Bamigboche, Monsieur Sourou Barthélémy DANSOU de la DESG[Director of Lycee Militaire des Jeunes filles de Natitingou][close to our family][here], Lawani family. We sent our Greetings Notes to Silifatou Bouari, here. Of course, we have memories of Agbomenou families, Romain Agbomenou, Francois Xavier Agbomenou, Judith Agbomenou, Firmine Agbomenou, etc.
- We truly regret the situation of many of our families uncles and grandfathers/grandmothers, have passed, we still do not beleive if this is true or not!, `https://fr.wikipedia.org/wiki/Damien_Zinsou_Alahassa` (for example). We need to get in touch with them, Yannick Alahassa, (`https://www.facebook.com/yannfaith`), Arielle Alahassa (`https://www.facebook.com/arielle.alahassa`), Fifame Alahassa (`https://www.facebook.com/bibiane.debamako.9`), Hillary Alahassa (`https://www.facebook.com/hillarydoheto/about`), Cedric Alahassa, etc.
- Two Important incidents happened when we were kids: Gwladys Enagnon Alahassa had an incident with someone on the road driving a bycicle [we were playing on a sable of construction, figure 4, we were present during the event], and they drive her in Hospital Louis Pasteur or [Hopital El Fateh] [We can verify later]. We were living near Les Jambettes College. Personnaly, I had a hard experience when we were kids when taking a bath, I broke my skull nuke, and father Hounto, our neighbor, drive me in my Mother Hospital. Ouando Clinic Hospital.

Figure 4: Construction Sable

## 2.4 Contributors & Authorship

We are inspired by the Washington Program of Art & Study, `https://artsci.washington.edu/`, we are currently applying, read here.

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